

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Old American Zinc - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #5  
On-going Removal Operations  
Old American Zinc  
B5A1  
Fairmont City, IL  
Latitude: 38.6489584 Longitude: -90.0932582

**To:** Doug Ballotti, USEPA  
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**From:** Kevin Turner, OSC

**Date:** 11/9/2018

**Reporting Period:** 10/15/2018 – 11/9/2018

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	B5A1	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	5/10/2018
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	6/6/2018	<b>Start Date:</b>	6/11/2018
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	IL0000034355	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

See Initial POLREP

#### 1.1.2 Site Description

See Initial POLREP

##### 1.1.2.1 Location

See Initial POLREP

##### 1.1.2.2 Description of Threat

See Initial POLREP

#### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See Initial POLREP

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

The high concentrations of lead and/or arsenic in soil constitute an imminent threat to human health as documented above. Continued response actions were immediately required to mitigate exposure to nearby residents to hazardous substances through the soil pathway. The residential yards have high accessibility to sensitive populations, including young children under the age of 7 years and pregnant women. In fact, these sensitive populations and young children have been observed playing in the play fields and contaminated yards. Adults and children may be exposed to elevated levels of lead from normal foot traffic, yard work, and play. The response actions will prevent, limit, and mitigate threats to human health including sensitive populations.

Impacted soils will be removed and consolidated into an on-site soil repository at the former Old American Zinc facility.

#### 2.1.2 Response Actions to Date

The OSC tasked the ERRS (ER, LLC) and START (Tetra Tech) contractors to perform the following actions with important

project benchmarks of:

- Develop and implement a Removal Action Work Plan (RAWP);
- Develop and implement an Emergency Contingency Plan (ECP);
- Develop and implement a Site Health & Safety Plan (HASP) consistent with the work to be performed;
- Develop and implemented an Air Monitoring Plan (AMP);
- As related to the AMP, START has developed and implemented a particulate air monitoring system with real-time dust particulate monitoring (DustTrak) using the Emergency Response Team VIPER System;
- On June 04, OSC Turner notified the Illinois State Archeological Survey (ISAS) that removal of heavy metals contaminated soil near the Cahokia Mounds State Historic Site;
- As a result, to above bullet point and inconsideration to the ISAS notification, the OSC has instructed ERRS and START as to shut-down procedures related to discovery of pottery pieces, arrowheads, bones, etc.;
- On June 11, 2018, removal work at the first residential property began. The OSC will utilize an interpreter for Spanish only speaking homeowners;
- On June 12, 2018, the ERRS contractor arranged for diesel powered electrical service be provided to support project needs inside the temporary field office.
- On June 13, 2018, arrangements were made to deliver limestone rock, sand and clean fill dirt materials to be used for backfilling restoration purposes;
- On June 18, 2018, a second ERRS excavation crew was added to daily operations;
- On June 21, 2018, OSC Turner secured alley access approval from Fairmont City officials related to removal of impacted soils
- On July 16, 2018, a second restoration crew was added to restore residential properties in a manner that subjects the homeowners to the least amount of inconvenience.
- On July 23, 2018, a 3<sup>rd</sup> excavation crew was added to address removal work related to impacted alleyways.
- On July 25, 2018, the first alleyway (AT23) was restored and returned to service for Fairmont City refuse collection and residential access.
- On August 2, 2018, ERRS initiated the removal of lead impacted soils placed over a 24-inch high-pressure natural gas main operated by CenterPoint Energy. ERRS coordinated site work with the CenterPoint on-site representative until the restoration completion on 8/21/2018.
- On August 6, 2018, a 4<sup>th</sup> excavation crew was added in preparation to removal work at a large mobile home park.
- On August 13, 2018, the RPM, Sheila Desai, submitted a list of 8 additional properties for time-critical removal action conducted by Removals Branch.
- On August 16, 2018, the second alleyway (AT8), was restored and returned to service for Fairmont City refuse collection and residential access.
- On August 28, 2018, the third of five alleyways (AT2-S), was restored and returned to service for Fairmont City refuse collection and residential access.
- On September 4, 2018, ERRS initiated removal and restoration work at the HavaHome Mobile Home Park. This work is expected to take up to 7 weeks, weather pending.
- As of October 1, 2018, an archeologist will observe the residential removal work conducted by EPA. The archeologists will likely remain engaged for the duration of the removal action.
- On October 9, 2018, a larger tracked excavator was delivered to the site for removal work related to parcels greater than 1-acre.
- On October 12, 2018, the fourth of five alleyways (AT7) was restored and returned to service for Fairmont City refuse collection and residential access.
- On October 15, 2018, a large tracked excavator was delivered to the site for removal work at the many large undeveloped lots.
- On October 18, 2018, ERRS excavation crews discovered bones wrapped in fabric suspected to be human remains. The crew was instructed to continue excavation elsewhere during such time for local law enforcement along with the Madison County, Illinois Coroner's office to ultimately determine the remains were of a large canine animal.
- Heavy rains on October 31 and November 1, 5 and 9, 2018, requiring the suspension of all site activities.

### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Enforcement actions are pending at this time.

### 2.1.4 Progress Metrics

The following summary indicates on-site repository disposal summary and the number of homes and alleyways that have been remediated in 2018:

NO	Property Address	Prop. ID No.	Excavation Started	Excavation Complete	Backfill Start	Backfill Complete	Excavate Cubic Yards	Backfill Cubic Yards	Hydro Seed Complete
1	593X Collinsville Road	392	6/11/2018	6/13/2018	6/13/2018	6/18/2018	282	336	7/20/2018
2	261X N 35 <sup>th</sup>	135	6/14/2018	6/18/2018	6/18/2018	6/19/2018	150	78	7/23/2018

3	255X N 43 <sup>rd</sup>	814	6/18/2018	6/19/2018	6/20/2018	6/21/2018	96	90	7/23/2018
4	371X Collinsville Road	329	6/18/2018	6/20/2018	6/20/2018	7/2/2018	192	258	7/23/2018
5	251X N 36 <sup>th</sup>	74	6/19/2018	6/20/2018	6/20/2018	6/21/2018	48	36	7/20/2018
6	254X N 36 <sup>th</sup>	120	6/22/2018	6/28/2018	6/29/2018	7/9/2018	126	72	7/23/2018
7	253X N 36 <sup>th</sup>	101	6/22/2018	6/27/2018	6/28/2018	7/3/2018	120	114	7/20/2018
8	251X N 32 <sup>nd</sup>	81	6/27/2018	6/29/2018	7/2/2018	7/10/2018	150	156	7/23/2018
9	2541 N 36 <sup>th</sup>	112	6/28/2018	7/9/2018	7/3/2018	7/12/2018	174	168	7/23/2018
10	270X N 37 <sup>th</sup>	141	7/9/2018	7/10/2018	7/12/2018	7/13/2018	96	78	7/23/2018
11	253X & 253X N 36 <sup>th</sup>	575	7/10/2018	7/13/2018	7/17/2018	7/19/2018	216	222	7/23/2018
12	361X Maple	859	7/10/2018	7/11/2018	7/16/2018	7/16/18	48	48	7/20/2018
13	254X N 31 <sup>st</sup>	113	7/16/2018	7/23/2018	7/19/2018	8/2/2018	300	222	8/13/2018
14	361X Maple	326	7/13/2018	7/23/2018	7/18/2018	7/26/1816	408	444	8/13/2018
15	361X Maple	327	7/11/2018	7/12/2018	7/17/2018	7/18/2018	156	174	7/23/2018
16	331X Maple	309	7/24/2018	7/26/2018	7/30/2018	8/2/2018	90	70	8/13/2018
17	331x Maple	618	7/24/2018	7/26/201887	7/30/2018	8/2/2018	162	168	8/13/2018
18	252X N 32 <sup>nd</sup>	87	7/23/2018	7/24/2018	7/26/2018	7/27/18	60	24	8/13/2018
19	421X Cookson	819	7/24/2018	8/1/2018	7/30/2018	8/9/2018	558	444	8/13/2018
20	262X N. 37 <sup>th</sup> St.	138	7/26/2018	8/1/2018	8/2/2018	8/8/2018	192	252	9/5/2018
21	370x Cookson	328	8/1/2018	8/9/2018	8/9/2018	8/14/2018	306	282	9/5/2018
22	326X Canteen	1026	8/2/2018	8/13/2018	8/16/2018	8/21/2018	474	480	9/4/2018
23	401X Locust	908	8/9/2018	8/10/2018	8/16/2018	8/21/2018	156	174	9/4/2018
24	253X N> 41 <sup>st</sup> St.	894	8/13/2018	8/14/2018	8/27/2018	8/28/2018	90	84	9/5/2018
25	252X N. 36 <sup>th</sup> St.	563	8/13/2018	8/17/2018	8/28/2018	9/6/2018	294	276	9/14/2018
26	401X Maple	R003	8/14/2018	8/20/2018	8/21/2018	8/27/2018	252	264	9/5/2018
27	276X N. 43 <sup>rd</sup>	602R	8/20/2018	8/28/2018	8/30/2018	9/6/2018	414	396	9/14/2018
28	551X Delmar	901	8/20/2018	8/21/2018	8/22/2018	8/23/2018	66	12	Only rock no hydro- seed
29	390X Cookson	368R	8/21/2018	8/27/2018	8/28/2018	8/30/2018	102	96	9/5/2018
30	284X N. 44 <sup>th</sup>	RI008A	8/27/2018	8/30/2018	8/30/2018	9/5/2018	174	180	9/14/2018
31	619X Maryland	921	8/27/2018	9/5/2018	9/7/2018	9/17/18	318	372	9/28/2018
32	275X N. 43 <sup>rd</sup>	1042	8/28/2018	8/30/2018	8/30/2018	9/6/2018	96	84	9/14/2018
33	284X N. 44 <sup>th</sup>	RI008B	8/28/2018	8/30/2018	8/30/2018	9/5/2018	84	78	9/14/2018
34	321X Maple	767	9/4/2018	9/11/2018	9/10/2018	9/13/2018	522	502	9/14/2018
35	250X & 250X N. 34 <sup>th</sup>	0066/0544	9/4/2018	9/11/2018	9/4/2018	9/18/2018	318	346	9/28/2018
36	551X Maryland	370	9/5/2018	9/17/2018	9/17/2018	9/18/2018	342	198	9/28/2018
37	HavaHome 807-49	807-49	9/4/2018	9/5/2018	9/5/2018	9/6/2018	156	90	9/14/2018
38	HavaHome 807-48	807-48	9/5/2018	9/6/2018	9/6/2018	9/6/2018	90	30	9/14/2018
39	HavaHome 807-47	807-47	9/7/2018	9/10/2018	9/10/2018	9/10/2018	54	N/A	Only rock
40	HavaHome 807-46	807-46	9/10/2018	9/11/2018	9/11/2018	9/11/2018	66	N/A	Only rock

41	253X N. 32 <sup>nd</sup>	568	9/11/2018	9/13/2018	9/28/2018	10/2/2018	168	156	10/12/2018
42	253X N. 31 <sup>st</sup>	105	9/12/2018	9/18/2018	9/24/2018	9/27/2018	270	282	9/28/2018
43	HavaHome 807-45	807-45	9/11/2018	9/12/2018	9/12/2018	9/14/2018	138	48	9/14/2018
44	HavaHome 807-44	807-44	9/12/2018	9/13/2018	9/14/2018	9/14/2018	66	36	9/14/2018
45	HavaHome 807-43	807-43	9/13/2018	9/17/2018	9/17/2018	9/21/2018	96	36	9/28/2018
46	274X N. 43 <sup>rd</sup>	841	9/17/2018	10/10/2018	10/10/2018	10/11/2018	84	36	10/12/2018
47	274X N. 43 <sup>rd</sup>	1048	9/18/2018	9/24/2018	9/20/2018	10/3/2018	168	78	10/12/2018
48	251X N. 36 <sup>th</sup>	761	9/18/2018	9/21/2018	9/24/2018	9/26/2018	480	492	9/28/2018
49	254X N. 31 <sup>st</sup>	117	9/18/2018	9/19/2018	9/21/2018	9/24/2018	72	84	9/28/2018
50	HavaHome 807-42	807-42	9/18/2018	9/20/2018	9/21/2018	9/21/2018	204	24	9/28/2018
51	HavaHome 807-41	807-41	9/19/2018	9/21/2018	9/21/2018	9/24/2018	210	24	All rock
52	254X N. 38 <sup>th</sup>	124	9/18/2018	9/24/2018	9/28/2018	10/3/2018	234	150	10/12/2018
53	254X N. 36 <sup>th</sup>	123	9/24/2018	9/27/2018	10/3/2018	10/9/2018	174	114	10/12/2018
54	HavaHome 807-40	807-40	9/20/2018	9/21/2018	9/25/2018	10/3/2018	54	64	10/28/2018
55	HavaHome 807-39	807-39	9/24/2018	9/25/2018	9/25/2018	10/4/2018	120	30	10/28/2018
56	332X Cookson	314	9/24/2018	10/5/2018	10/9/2018	10/22/2018	468		
57	302X N. 61 <sup>st</sup>	608	9/25/2018	9/26/2018	10/2/2018	10/3/2018	90	78	10/12/2018
58	233X N. 50 <sup>th</sup>	9/25/2018	9/25/2018	10/9/2018	10/12/2018	10/22/2018	438	522	
59	HavaHome 807-38	807-38	9/25/2018	9/26/2018	10/3/2018	10/4/2018	108	84	10/12/2018
60	250X N. 39 <sup>th</sup>	402R	9/26/2018	9/27/2018	9/28/2018	10/2/2018	192	84	10/12/2018
61	HavaHome 807-37	807-37	9/27/2018	9/27/2018	10/4/2018	10/5/2018	60	12	10/12/2018
62	HavaHome 807-36	807-36	9/27/2018	9/28/2018	10/9/2018	10/9/2018	18	12	10/12/2018
63	283X N. 44 <sup>th</sup>	108R	9/28/2018	10/1/2018	10/18/2018	10/19/2018	66	6	
64	HavaHome 807-35	807-35	9/28/2018	9/28/2018	10/9/2018	10/9/2018	60	N/A	
65	HavaHome 807-34	807-34	10/3/2018	10/10/2018	10/10/2018	10/31/2018	156	160	
66	HavaHome Empty Lot	807	10/1/2018	10/4/2018	10/10/2018	10/31/2018	306		
67	253X N. 34 <sup>th</sup>	571	10/10/2018	10/15/2018	10/12/2018	10/17/2018	216	312	
68	232X N. 57 <sup>th</sup>	46	10/10/2018	10/15/2018	10/23/2018	10/31/2018	204	342	
69	5100 N 51 <sup>st</sup> Store	924C	10/10/2018	10/10/2018	10/29/2018	10/31/2018	30	30	
70	2757 N. 45 <sup>th</sup>	321R	10/11/2018	10/15/2018	10/19/2018	10/23/2018	228	162	
71	Woodrow Ave 931--2	931-2	10/15/2018	10/22/2018	10/31/2018		1398		
72	287X N 44 <sup>th</sup>	817	10/15/2018		10/26/2018				
73	287X N 45 <sup>th</sup>	279R	10/16/2018	11/2/2018			1218		
74	Woodrow Ave 931-1	931-1	10/23/2018	11/6/2018			912		

75	Woodrow Ave 807-3	807-3	10/29/2018						
76	287X N 44 <sup>th</sup> (Community Garden)	11/5/2018							
77	541X Kinder Ave	0633	11/8/2018						

Alleyway ID No.	Excavation Started	Excavation Completed	Restoration Completed	Excavate Cubic Yards	Restoration Cubic Yards	Rock Number of Loads
A23	7/23/2018	7/25/2018	7/25/2018	90	30	18
AT8	7/25/2018	8/10/2018	8/16/2018	429	290	60
AT2-S	8/13/2018	8/21/2018	8/28/2018	390	NA	90
AT7	10/1/2018	10/9/2018	10/9/2018	228	66	31
A11						

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

Site work in 2018 will remove heavy metals impacted soils from a current total of 96 residential properties lots that includes 5 alleyways, restore with clean soil and gravel and re-establish with hydro-seed protective grass cover.

#### 2.2.1.1 Planned Response Activities

No additional response actions are planned beyond removal and restoration of heavy metal impacted soils.

#### 2.2.1.2 Next Steps

Continue removal work of parcels greater than one-acre to the best schedule extent unless inclement weather dictates otherwise.

Anticipating demobilization during the week of December 10, 2018.

### 2.2.2 Issues

Wet weather has impacted excavation, soil backfilling and hydroseeding restoration activities that also may ultimately impact site work and the overall project schedule.

## 2.3 Logistics Section

Not Applicable

## 2.4 Finance Section

### 2.4.1 Narrative

A TDD for \$200,000 was issued to Tetra Tech Inc., on May 24, 2018.  
A TDD amendment for \$100,000 was secured on September 13, 2018.  
The current START project budget is: \$300,000.00.  
As of November 2, 2018, START costs to date are \$209,643.00

A Task Order (TO) for \$1,500,000.00 was issued to Environmental Restoration, LLC (ER LLC.), on May 22, 2018.  
A TO Modification for \$1,100,000.00 was issued to ER, LLC. on August 27, 2018.  
As of November 8, 2018, ER, LLC cost to date are \$2,036,853.00.

### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$2,600,000.00	\$1,036,853.00	\$1,563,147.00	60.12%
TAT/START	\$300,000.00	\$209,643.00	\$90,357.00	30.12%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	<b>\$2,900,000.00</b>	<b>\$1,246,496.00</b>	<b>\$1,653,504.00</b>	<b>57.02%</b>

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written.

The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

All field work was conducted under an approved Health and Safety Plan (HASP).

### 2.5.2 Liaison Officer

N/A

### 2.5.3 Information Officer

N/A

## 3. Participating Entities

### 3.1 Unified Command

NA

### 3.2 Cooperating Agencies

Illinois EPA

## 4. Personnel On Site

USEPA	2
START	1
ERRS	24

## 5. Definition of Terms

AMP	Air Monitoring Plan
BTEX	Benzene, toluene, ethyl benzene, xylenes
ECP	Emergency Contingency Plan
EPA	Environmental Protection Agency
ER, LLC	Environmental Restoration, LLC
ERRS	Emergency and Rapid Response Services
FPN	Federal Project Number
HASP	Health and Safety Plan
Haz-Cat	Hazardous Categorization
IEPA	Illinois Environmental Protection Agency
NA	Not Applicable
NESHAPS	National Emission Standards for Hazardous Air Pollution (asbestos)
NPDES	National Pollution Discharge Elimination System
OSC	On-Scene Coordinator
PCBs	Polychlorinated Biphenyls
POLREP	Pollution Report
PRP	Potentially Responsible Party
RP	Respondent
RAWP	Removal Action Work Plan
SAP	Sampling and Analysis Plan
SITREP	Situation Report
START	Superfund Technical Assessment and Response Team (Tetra Tech)
TDD	Technical Directive Document
TO	Task Order
UST	Underground Storage Tank
USEPA	United States Environmental Protection Agency

## 6. Additional sources of information

### 6.1 Internet location of additional information/report

NA

### 6.2 Reporting Schedule

NA

## 7. Situational Reference Materials

No information available at this time.









